INTERNATIONAL SEARCH REPORT

In extional Application No PCT/FR2004/050747

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H01L23/48 H01S3/00 H01L21/58

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{H01L} & \mbox{H01S} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

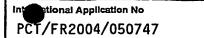
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	US 2002/096254 A1 (KOBER MICHAEL ET AL) 25 July 2002 (2002-07-25) column 2, paragraph 11 - column 12, paragraph 61; figures 1-7	1-6,8, 10-13, 15-21	
A	US 4 752 816 A (GOODFELLOW ROBERT C ET AL) 21 June 1988 (1988-06-21) column 2, line 28 - column 4, line 15; figures 1-4	1-10, 13-18	
X	FR 2 777 124 A (COMMISSARIAT ENERGIE ATOMIQUE) 8 October 1999 (1999-10-08) page 10, line 1 - page 19, line 2; figure 1	1-3,14, 15,17	
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the international filing date L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P' document published prior to the International filing date but later than the priority date claimed	"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documently, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 2 May 2005	Date of mailing of the international search report 10/05/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 Nt. – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Authorized officer Boero, M

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT							
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A	WO 87/01509 A (PLESSEY OVERSEAS) 12 March 1987 (1987-03-12) page 7, line 15 - page 12, line 6; figures 1-5	1-4, 15-18					
A	US 5 832 010 A (MOLVA ENGIN ET AL) 3 November 1998 (1998-11-03) the whole document	1-28					
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Information on patent family members

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